

COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

DREDGE OREGON		Contract Number: W9127N-06-C-ORSL					
Project Name/Location:							
Columbia River Channel Improvement, Oregon Slough RM 0 to 1							
2/4/2006							
Dredge OREGON	Sample Point	Depth (ft)	Time	X-Coordinate	Y-Coordinate	Turbidity (NTU)	DO (Mg/L)
Tidal Stage Ebb	DRP-1 (21)	20.3	7:38:00	7627242.3	727753.8	7.2	Not Required
	DRP-2 (22)	20.4	7:42:16	7626952.5	728140.5	7.3	12.5
	DSPP-1 (11)	20.1	7:47:36	7625670.0	730868.6	7.1	Not Required
	DSPP-2 (12)	20.3	7:51:16	7625637.1	731082.5	7.0	12.6
Weather: Rain Wind: 15 knots Seas: Moderate chop Disposal location In-water (Kelly Point)							
All coordinates are Oregon State Plane North 3601; Datum: NAD 83. Sample point numbers in parenthesis correspond with YSI logged data.							
Remarks: No exceedances.				Action Taken: None required.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DRP-1	at least 100 ft up current of cutterhead					NA	Not Required
DRP-2	100 ft down current of the cutterhead					Yes (OR)	Yes (OR)
DSPP-1	at least 100 ft up current of end scow (background)					NA	Not Required
DSPP-2	100 ft down current of the end scow					Yes (OR)	Yes (OR)
Rx	Indicates a re-test where (x) is the re-test number for that particular point						

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Tidal Stage Ebb	DRP-1 (21)	19.6	9:40:43	7627187.4	727812.3	6.9	<i>Not Required</i>
	DRP-2 (22)	19.9	9:43:15	7627002.3	728175.2	7.3	12.6
	DSPP-1 (11)	20.1	9:48:16	7625659.8	730852.1	7.0	<i>Not Required</i>
	DSPP-2 (12)	20.0	9:50:31	7625632.5	731056.0	7.0	12.7
Weather: Overcast, rain Wind: 10 kts Seas: Light chop Disposal location In-water (Kelly Point)							
All coordinates are Oregon State Plane North 3601; Datum: NAD 83. Sample point numbers in parenthesis correspond with YSI logged data.							
Remarks:				Action Taken:			
No exceedances.				None required.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DRP-1	at least 100 ft up current of cutterhead					NA	<i>Not Required</i>
DRP-2	100 ft down current of the cutterhead					Yes (OR)	Yes (OR)
DSPP-1	at least 100 ft up current of end scow (background)					NA	<i>Not Required</i>
DSPP-2	100 ft down current of the end scow					Yes (OR)	Yes (OR)
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Tidal Stage Ebb	DRP-1 (21)	19.9	11:29:10	7627108.2	727906.4	6.7	Not Required
	DRP-2 (22)	20.1	11:32:00	7626850.9	728204.3	7.5	12.8
	DSPP-1 (11)	20.1	11:38:58	7625710.1	730902.1	7.0	Not Required
	DSPP-2 (12)	20.2	11:41:27	7625625.3	731082.8	10.6	12.8
Weather: Overcast, rain Wind: Light Seas: Calm Disposal location In-water (Kelly Point)							
All coordinates are Oregon State Plane North 3601; Datum: NAD 83. Sample point numbers in parenthesis correspond with YSI logged data.							
Remarks: An exceedance occurred at DRP-2 and DSPP-2.				Action Taken: The Dredge/End Scow were moved away from the points where the exceedances occurred.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DRP-1	at least 100 ft up current of cutterhead					NA	Not Required
DRP-2	100 ft down current of the cutterhead					Yes (OR)	Yes (OR)
DSPP-1	at least 100 ft up current of end scow (background)					NA	Not Required
DSPP-2	100 ft down current of the end scow					Yes (OR)	Yes (OR)
Rx	Indicates a re-test where (x) is the re-test number for that particular point						

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Dredge OREGON	Sample Point	Depth (ft)	Time	X-Coordinate	Y-Coordinate	Turbidity (NTU)	DO (Mg/L)
Tidal Stage Ebb	DRP-1 (21)	19.9	14:15:36	7627660.4	727477.7	6.5	Not Required
	DRP-2 (22)	19.8	14:20:19	7627538.4	727865.2	6.7	12.8
	DSPP-1 (11)	20.0	14:27:09	7625742.5	730947.2	6.7	Not Required
	DSPP-2 (12)	19.9	14:29:52	7625668.8	731099.5	7.0	12.8
Weather: Clearing skies Wind: Light Seas: Calm Disposal location In-water (Kelly Point)							
All coordinates are Oregon State Plane North 3601; Datum: NAD 83. Sample point numbers in parenthesis correspond with YSI logged data.							
Remarks:				Action Taken:			
No exceedances. Dredge shut down from 1225 hrs to 1410 for relocation.				None required.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DRP-1	at least 100 ft up current of cutterhead					NA	Not Required
DRP-2	100 ft down current of the cutterhead					Yes (OR)	Yes (OR)
DSPP-1	at least 100 ft up current of end scow (background)					NA	Not Required
DSPP-2	100 ft down current of the end scow					Yes (OR)	Yes (OR)
Rx	Indicates a re-test where (x) is the re-test number for that particular point						

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Columbia River Channel Improvement, Oregon Slough RM 0 to 1							
2/4/2006							
<u>Dredge</u> OREGON	<u>Sample Point</u>	<u>Depth (ft)</u>	<u>Time</u>	<u>X-Coordinate</u>	<u>Y-Coordinate</u>	<u>Turbidity (NTU)</u>	<u>DO (Mg/L)</u>
<u>Tidal Stage</u> Ebb	DRP-1 (21)	20.1	15:56:23	7627593.2	727592.3	6.5	<i>Not Required</i>
	DRP-2 (22)	19.9	16:01:48	0.0	0.0	6.4	12.6
	DSPP-1 (11)	20.1	16:06:42	7625583.9	730854.2	7.1	<i>Not Required</i>
	DSPP-2 (12)	19.9	16:08:51	7625556.4	731059.6	7.0	12.7
<u>Weather:</u> Broken clouds, rain <u>Wind:</u> 10-15 kts <u>Seas:</u> 1-2 ft <u>Disposal location</u> In-water (Kelly Point)							
All coordinates are Oregon State Plane North 3601; Datum: NAD 83. Sample point numbers in parenthesis correspond with YSI logged data.							
Remarks:				Action Taken:			
No exceedances. YSI logged invalid GPS data for DRP-2; positions were confirmed using variable range marker.				None required.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DRP-1	at least 100 ft up current of cutterhead					NA	<i>Not Required</i>
DRP-2	100 ft down current of the cutterhead					Yes (OR)	Yes (OR)
DSPP-1	at least 100 ft up current of end scow (background)					NA	<i>Not Required</i>
DSPP-2	100 ft down current of the end scow					Yes (OR)	Yes (OR)
Rx	Indicates a re-test where (x) is the re-test number for that particular point						